



SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Klimpel, Kurt
Goletz, Theresa J.
Arora, Naveen
Leppla, Stephen H.
Berzofsky, Jay A.
- (ii) TITLE OF INVENTION: Targeting Antigens to the MHC Class I
Processing Pathway With an Anthrax Toxin Fusion Protein
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Townsend and Townsend and Crew LLP
 - (B) STREET: Two Embarcadero Center, Eighth Floor
 - (C) CITY: San Francisco
 - (D) STATE: California
 - (E) COUNTRY: USA
 - (F) ZIP: 94111-3834
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/937,276
 - (B) FILING DATE: 15-SEP-1997
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 60/025,270
 - (B) FILING DATE: 17-SEP-1996
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Weber, Kenneth A.
 - (B) REGISTRATION NUMBER: 31,677
 - (C) REFERENCE/DOCKET NUMBER: 015280-290100US
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (415) 576-0200
 - (B) TELEFAX: (415) 576-0300

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 36 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA

- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..36
 - (D) OTHER INFORMATION: /note= "primer 1"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

TCTAGATCTA GAAGCGGGCG GTCATGGTGA TGTAGG

36

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 37 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..37
 - (D) OTHER INFORMATION: /note= "primer 2"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GATCTTTAAG TTCACGCGTG GATAGATTTA TTTCTTG

37

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..32
 - (D) OTHER INFORMATION: /note= "primer 3"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GCAAGACGCG TCTGCAGATG AGAGTGAAGG AG

32

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 38 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..38
- (D) OTHER INFORMATION: /note= "primer 4"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

ATCCGCTCGA GTCTAGATTA TCTTTTTTCT CTCTGCAC

38

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Arg	Gly	Pro	Gly	Arg	Ala	Phe	Val	Thr	Ile
1				5					10